

# **ASO Transition from** SW CMM to SE/SW CMMI





## Presented by

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# **Agenda**



- Who Is ASO
- Where are we in the Process Improvement Cycle
- **Current Efforts**
- **Success Stories**
- **Lessons Learned**
- **Schedule to CMMI Compliance**
- **Summary**
- **Questions and Answers**





#### Who is ASO



- **Analytical Sciences Operation (ASO)** 
  - 100 Scientist and Engineers
  - Remote Sensing data analysis
  - Develop software tools to support data exploitation
- Part of Ball Aerospace & Technologies Corp. a subsidiary of the Ball Corporation. (Yes the same people who do canning jars and fixed the Hubble Space Telescope!)
- Now part of the Northern Operations Directorate





### Where are we in the Process Improvement Cycle



- Initiated Software CMM in June 1996.
- Pilot project was assessed at CMM level 2 in September 1998.
- ASO was assessed at CMM level 2 in April 2000.
- Switched to CMMI in October 2000.
- Building up an internal training program.
- Reorganized into the Northern Operations Directorate August 2001
- Preparing for CMMI Level 3 profile in Summer 2002.
- Plan for CMMI Level 3 assessment in Fall 2003.





#### **Current Efforts**



- Converted our SW CMM Level 2 Process areas to CMMI compliance.
- **Developed Training Program.**
- **Initiated Formal Peer Review Process.**
- **Developed a Formal Systems and Software Engineering Process.**
- Monitoring CMMI compliance.





### **Success Stories**



- Most ASO projects are CMM compliant.
- Monthly Project Web Reviews.
- Improved Project Management a factor in winning \$248 M contract competition.
- **Customer satisfaction improved.**
- **Cost and Schedule performance improved.**
- Better communication.





### **Lessons Learned**



- **Spend more time training**
- **Expect slow progress**
- Be persistent
- Be consistent
- **Use Peer Pressure**
- **Have a dedicated Process Improvement Manager**
- Treat Process Improvement as a project





# **Schedule to CMMI Compliance**



- Roll out our initial CMMI process by January 2002
- **Conduct monthly compliance progress checks**
- Conduct an independent CMMI profile in Summer 2002
- Conduct an independent CMMI assessment in Fall 2003





### **Summary**



- Most aspects of the CMMI are an improvement over the SW CMM.
- Understand the CMMI requirements before instituting your processes.
- Keep your processes simple.
- Train and encourage people to succeed.
- Patience, Patience!





## **Questions?**



